



FORM PTO-1449	SERIAL NO. 10/673,083	CASE NO. 10322-62
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 26, 2003	GROUP ART UNIT 3703 pending.
(use several sheets if necessary)	APPLICANT(S): Daniel Therriault et al.	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
me	A1	6,027,326	02/22/00	Cesarano, III et al.	425/375	10/97
	A2	6,167,910	01/2/01	Chow	137/827	1/99
	A3	6,321,791	11/27/01	Chow	137/833	10/00
	A4	6,379,974	04/30/02	Parce, et al.	436/180	8/99
	A5	6,465,257	10/15/02	Parce et al.	436/180	11/97
	A6	6,471,761	10/29/02	Fan et al.	106/287.16	4/01
	A7	6,596,545	07/22/03	Wagner et al.	436/518	7/99

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	A8	WO 01/89787 A2	11/29/01	PCT		

EXAMINER
INITIAL

OTHER ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.

me	A9	Anderson, J.A., et al., "Fabrication of topologically complex three-dimensional Microfluidic Systems in PDMS by Rapid Prototyping", Anal. Chem. 74, pp. 3158-64, (2000).
	A10	Aref, H., "The Development of Chaotic Advection", Phys. Fluids 14, pp. 1315-25 (2002).
	A11	Bautista, F. et al., "Understanding Thixotropic and Antithixotropic Behavior of Viscoelastic Micellar Solutions and Liquid Crystalline Dispersions. I. The Model." Journal of Non-Newtonian Fluid Mechanics, Vol. 80, pp. 93-113, (1999).
	A12	Burns, M.A., et al., "An Integrated Nanoliter DNA Analysis Device" Science 282, pp. 484-487 (1998).
	A13	Chabinyc, M.L., et al., "An Integrated Fluorescence Detection System in poly(dimethylsiloxane) for Microfluidic Applications", Anal. Chem. 73, pp. 4491-4498, (2001).
	A14	Choi, J.W., et al., "An Active Microfluidic Mixer for Mixing of Microparticles and Liquides", SPIE Proceedings 4177, The International Society for Optical Engineering, pp. 154-161, (2000).
	A15	Chou, H.P., et al., "A Microfabricated Device for Sizing and Sorting DNA Molecules", Proc. Nat. Acad. Sci. 96, pp. 11-13 (1999).
	A16	Fan, H., "Rapid Prototyping of Patterned Functional Nanostructures," Nature, Vol. 405, pp. 56-60 (2000).
me	A17	Jeon, N.L., et al., "Generation of Solution and Surface Gradients Using Microfluidic Systems", Langmuir 16, pp. 8311-8316, (2000).

EXAMINER

DATE CONSIDERED

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Rev. Dec.-99

\\Bhglmain3\common\UMBB\Common Client-Matter Documents\Formal Papers Filed with PTO_PCT by Case\10322 U of \10322-62 (NP of 36)\10322-62.PTO 1449.doc

FORM PTO-1449	SERIAL NO. 10/673,083	CASE NO. 10322-62
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 26, 2003	GROUP ART UNIT 3783 pending
(use several sheets if necessary)	APPLICANT(S): Daniel Therriault et al.	

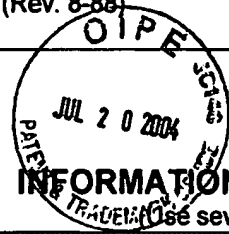
EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
me	A18	Jones, S.W., "Interaction of Chaotic Advection and Diffusion", Chaos Applied to Fluid Mixing, Aref, H. and El Naschie, M.S., eds., pp. 185-196, (1995).
	A19	Lozey, M.W., et al., "Microfabricated Multiphase Packed-bed Reactors: Characterization of Mass Transfer and Reactions", Ind. Eng. Chem. Res. 40, pp. 2555-2562, (2001).
	A20	Mas, R., et al., "Rheology of Colloidal Suspensions: Case of Lubricating Grease," Journal of Rheology, Vol. 38, No. 4, pp. 889-908, (1994).
	A21	Moore, S.K., "Microfluidics For Complex Computation", IEEE Spectrum 38, pp.28-29, (2001).
	A22	Smay, James E., et al., "Colloidal Inks for Directed Assembly of 3-D Periodic Structures", Langmuir 2002, Vol. 18, No. 14, pp. 5429-5437.
	A23	Stromberg, A., et al., "Microfluidic Device for Combinatorial Fusion of Liposomes and Cells", Anal. Chem. 73, pp. 126-130 (2001).
	A24	White, S.R., et al., "Autonomic Healing of Polymer Composites", Nature 409, pp. 794-97, (2001).
	A25	Specialty Inks, Label & Narrow Web, November 2000; pp. 1-14; file://C:\WINDOWS\Temporary%20Internet%20Files\OLK1134\metallic%20fluorescent%20and%20...9/14/2001.
	A26	LOCTITE® Product Description Sheet Prussian Blue, Maintenance, Repair & Operations, January 1999, (1p).
	A27	LOCTITE CORPORATION Prussian Blue, Material Safety Data Sheet dated January 6, 2002, 5 pages; http://www.loctite.com/datasheets/msds/30520.html , 1/14/02.

EXAMINER me	DATE CONSIDERED 06/06
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Rev. Feb.-97

\\Bhg\main3\common\UMBB\Common Client-Matter Documents\Formal Papers Filed with PTO_PCT by Case\10322 U of \10322-62 (NP of 36)\10322-62.PTO 1449.doc

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL01-015-US	Serial No. 10/673,083
 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant: Daniel Therriault, et al.	
	Filing Date: 10/673,083	Group: To Be Assigned 3753

Examiner Initial*	OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
<i>me</i>	B1	Kenny, Jack; "Specialty Ink", September 2003, www.labelandnarrowweb.com , pp. 1-4.
<i>me</i>	B2	Kenny, Jack, "Digital Printing: The Excitement Grows", November 2000, www.labelandnarrow.com , pp. 1-5.
<i>me</i>	B3	Jacoby, Mitch, "3-D Structures From Stable Gels", July 1, 2002, Chemical & Engineering News, Volume 80, Number 26, page 7.

Examiner <i>a</i>	Date Considered 06/06
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Examiner Initial*	OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
<i>me</i>	C1	"Specialty Inks", Label & Narrow Web, November 2000, pp. 1-14
	C2	
	C3	

Examiner <i>a</i>	Date Considered 06/06
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		Filing Date: September 26, 2003	Group: 3753

U.S. PATENT DOCUMENTS

Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>me</i>	D1	5,660,624	08/1997	Dry			
	D2	5,803,963	09/1998	Dry			
	D3	5,561,173	10/1996	Dry			
	D4	5,989,334	11/1999	Dry			
	D5	6,261,360	07/2001	Dry			
<i>me</i>	D6	6,527,849	03/2003	Dry			

FOREIGN PATENT DOCUMENTS

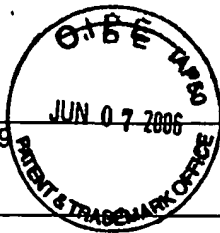
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>me</i>	D7	WO 02/064653	08/2002	PCT				

OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS


Examiner Initials*		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
<i>me</i>	D8	Dry, C., et al., "Passive smart self-repair in polymer matrix composite materials", SPIE, vol. 1916, pp. 438-444, March 1993.	

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U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
DML	Z1	2002/0182171 A1	12/2002	Detert et al.			
	Z2	2003/0177690	09/2003	Wittkowski, et al.			
	Z3	2004/0161544	08/2004	Kasperchik			
	Z4	2002/0147282 A1	10/2002	Mayes et al.			
	Z5	2002/0121229 A1	09/2002	Jardine, et al.			
	Z6	2003/0032727 A1	02/2003	Narayan-Sarathy, et al.			
	Z7	2002/0016387	02/2002	Shen, Jialin			
	Z8	4,414,354 A	11/1983	Slocombe			
	Z9	4,426,356	01/1984	Nair			
	Z10	4,446,174 A	05/1984	Nakamura et al.			
	Z11	4,471,100	09/1984	Tsubakimoto et al.			
	Z12	4,701,218 A	10/1987	Rowlands et al.			
	Z13	4,946,904	08/1990	Akimoto, et al.			
	Z14	4,960,465	10/1990	Arfaei			
	Z15	5,100,984	03/1992	Burge, et al.			
	Z16	5,237,017	08/1993	Akiyama et al.			
	Z17	5,284,894 A	02/1994	Wasyliw et al.			
	Z18	5,344,487 A	09/1994	Whalen-Shaw			
	Z19	5,369,198	11/1994	Albrecht, et al.			
	Z20	5,393,343	02/1995	Darwin, et al.			
	Z21	5,416,071	05/1995	Igari et al.			
	Z22	5,424,362	06/1995	Hwang et al.			
OML	Z23	5,424,364	06/1995	Simms et al.			
Examiner 		Date Considered 06/06					

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U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Jme	Z24	5,424,466	06/1995	Stern et al.			
	Z25	5,424,467	06/1995	Barnet al.			
	Z26	5,424,477	06/1995	Higuchi et al.			
	Z27	5,516,836	05/1996	Sauer et al.			
	Z28	5,556,460	09/1996	Berke et al.			
	Z29	5,597,871	01/1997	Auschra et al.			
	Z30	5,643,247	07/1997	Fernandez et al.			
	Z31	5,651,986	07/1997	Brem et al.			
	Z32	5,654,006	08/1997	Fernandez et al.			
	Z33	5,654,006	08/1997	Fernandez et al.			
	Z34	5,665,158	09/1997	Darwin et al.			
	Z35	5,753,037	05/1998	Drs et al.			
	Z36	5,753,261	05/1998	Fernandez et al.			
	Z37	5,811,124	09/1998	Fernandez et al.			
	Z38	5,820,879	10/1998	Fernandez et al.			
	Z39	5,883,196	03/1999	Rath et al.			
	Z40	5,891,313	04/1999	Johnson et al.			
	Z41	5,958,858	09/1999	Bettiol et al.			
	Z42	6,008,181	12/1999	Cripe et al.			
	Z43	6,015,781	01/2000	Vinson et al.			
	Z44	6,020,303	02/2000	Cripe et al.			
	Z46	6,051,636	04/2000	Johnson et al.			
	Z47	6,060,443	05/2000	Cripe et al.			
	Z48	6,093,856	07/2000	Cripe et al.			

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Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z49	6,107,409	08/2000	Hogan et al.			
	Z50	6,127,094	10/2000	Victor et al.			
	Z51	6,133,222	10/2000	Vinson et al.			
	Z52	6,133,227	10/2000	Barnabas et al.			
	Z53	6,136,333	07/1997	Cohn et al.			
	Z54	6,136,769	10/2000	Asano			
	Z55	6,139,623	10/2000	Darwin et al.			
	Z56	6,150,459	11/2000	Mayes et al.			
	Z57	6,153,577	11/2000	Cripe et al.			
	Z59	6,207,749	03/2001	Mayes et al.			
	Z60	6,211,249	04/2001	Cohn et al.			
	Z61	6,228,829	05/2001	Vinson et al.			
	Z62	6,242,406	06/2001	Katsuda et al.			
	Z63	6,258,161	07/2001	Kerkar et al.			
	Z64	6,277,191	08/21/01	Budiansky et al.			
	Z67	6,395,804 B1	05/2002	Gaddam et al.			
	Z68	6,441,054	08/2002	Ou et al.			
	Z72	6,599,647	07/2003	Oguri et al.			
	Z73	6,670,415	12/2003	Jardine et al.			
	Z74	5,607,892	03/1997	Chopin et al.			
	Z75	6,080,216	06/2000	Erickson			
	Z76	4,178,270	12/1979	Fujita			
	Z77	3,878,034	04/1975	Bever et al.			
	Z78	5,250,476	10/05/1993	Mogensen et al.			

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<i>Am</i>	Z79	5,651,986	7/29/1997	Brem et al.			
	Z80	5,800,922	9/01/1998	Anderson et al.			
	Z81	6,136,428	10/24/2000	Truong et al.			
<i>Done</i>	Z82	2001/0049912	12/2001	Motonari et al.			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>Am</i>	Y1	AU-B-64095/80	9/1982	Australia				
	Y2	DE 2052749	05/1972	Germany			X Abstract Only	
	Y3	EP 362770 A2	04/1990	EP				
	Y4	EP 0 263 490 B1	01/1995	EP				
	Y5	GB 2094820 A	09/1982	Great Britain				
	Y6	WO 00/47628 A	08/2000	PCT				
	Y8	WO 02/20627 A	03/2002	PCT				
	Y9	WO 97/19711 A1	06/1997	PCT				
<i>Am</i>	Y10	WO 99/51335	10/1999	PCT				

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS
		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
<i>Am</i>	X1	ADVA® Flow Superplasticizer ASTM C494, Type F (carboxylated polyether) with Material Safety Data Sheet (MSDS), Grace Construction Products 10 p., 2002.
	X4	Axim Italcementi Group, Catexol™ Superflux 2000 PC, with Material Safety Data Sheet (MSDS), 7 p., 2002.
	X6	Bell, Nelson, et al., "Cation-Induced Collapse of Low-Molecular-Weight Polyacrylic Acid in the Dispersion of Barium Titanate", Journal of Colloid and Interface Science, 254, pp. 296-305, 2002.
<i>Am</i>	X7	Berg, J.M., et al., "Interactions between Mica Surfaces in Sodium Polyacrylate Solutions Containing Calcium Ions", Journal of Colloid and Interface Science, 161, pp.182-189, 1993.
Examiner	<i>Am</i>	Date Considered 06/06

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<i>ame</i>	X8	Breitenbach, A., et al. "Branched biodegradable polyesters for parenteral drug delivery systems", Journal of Controlled Release, Vol. 64, pp. 167-178, 2000.
	X10	Campbell, et al., "Fabrication of Photonic Crystals for the Visible Spectrum by Holographic Lithography," Nature, pp. 53-56, Vol. 404, 2000.
	X11	Caruso et al., "Nanoengineering of Inorganic and Hybrid Hollow Spheres by Colloidal Templating," Science, pp. 1111-1114, Vol. 282, 1998.
	X12	Cassagneau et al., "Conjugated Polymer Inverse Opals for Potentiometric Biosensing," Adv. Mater., pp. 1837-1841, Vol. 14, 2002.
	X13	Cesarano III, Joseph et al., "Processing of Highly Concentrated Aqueous α -Alumina Suspensions Stabilized with Polyelectrolytes", J. Am. Ceram. Soc., Vol. 71 No. 12, pp 1062-67, 1988.
	X14	Cesarano III, Joseph, et al., "Stability of Aqueous α -Al ₂ O ₃ Suspensions with Poly(methacrylic acid) Polyelectrolyte", J. Am. Ceram. Soc., Vol. 71, No. 4, pp. 250-55, 1988.
	X16	Chen et al., "Geometric Control of Cell Life and Death," Science, pp. 1425-1428, Vol. 276, 1997.
	X17	Abstract of Sakai et al., "Influence of various types of inorganic salts on dispersion mechanisms of comb-type polymer containing grafted polyethylene oxides chains," Journal of the Ceramic Society of Japan, Vol. 108, No. 10, pp. 904-908, 2000.
	X20	Chrisey et al., "Materials Processing: The Power of Direct Writing," Science, Vol. 289, pp. 879-881, 2000.
	X21	Clark et al., "Creating Microstructures of Luminescent Organic Thin Films Using Layer-by-Layer Assembly," Adv. Mater., pp. 1031-1035, Vol. 11, 1999.
	X22	Cumpston et al., "Two-Photon Polymerization Initiators for Three-Dimensional Optical Data Storage and Microfabrication," Nature, pp. 51-54, Vol. 398, 1999.
	X23	Dahlgren, M., "Effect of Counterion Valency and Ionic Strength on Polyelectrolyte Adsorption" Langmuir Vol. 10, No. 5, pp. 1580-1583, 1994.
	X24	De L. Costello, et al., "Experimental investigations of the interaction forces in concentrated dispersions", Colloids and Surfaces A: Physiochemical and Engineering Aspects, 77, pp. 55-63, 1993.
	X25	Decher, "Fuzzy Nanoassemblies: Toward Layered Polymeric Multicomposites," Science, pp. 1232-1237, Vol. 277, 1997.
	X26	Demers et al., "Direct Patterning of Modified Oligonucleotides on Metals and Insulators by Dip-Pen Nanolithography," Science, pp. 1836-1838, Vol. 296, 2002.
	X28	Feiertag et al., "Fabrication of Photonic Crystals by Deep X-Ray Lithography," Appl. Phys. Lett., pp. 1441-1443, Vol. 71, 1997.
	X29	Fery et al., "Nanoporous Thin Films Formed by Salt-Induced Structural Changes in Multilayers of Poly(acrylic Acid) and Poly(allylamine)," Langmuir, pp. 3779-3783, Vol. 17, 2001.
	X30	Foresi et al., "Photonic-Bandgap Microcavities in Optical Waveguides," Nature, pp. 143-145, Vol. 390, 1997.
	X31	Hadjichristidis, N., "Polymers with Complex Architecture by Living Anionic Polymerization", Chem. Rev. Vol. 101, pp. 3747, 3771-3775, 2001.
<i>ame</i>	X34	Jiang et al., "Exploring the Rules for Selective Deposition: Interactions of Model Polyamines on Acid and Oligoethylene Oxide Surfaces," Langmuir, pp. 1131-1143, Vol. 18, 2002.

Examiner <i>a</i>	Date Considered <i>06/06</i>
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	X35	Jiang et al., "Polymer-On-Polymer Stamping: Universal Approaches to Chemically Patterned Surfaces," Langmuir, pp. 2607-2615, Vol. 18, 2002.
	X39	Kiriy et al., "Cascade of Coil-Globule Conformational Transitions of Single Flexible Polyelectrolyte Molecules in Poor Solvent," J. Am. Chem. Soc., pp. 13454-13462, Vol. 124, 2002.
	X40	Laarz, E. et al., "The Effect of Anionic Polyelectrolytes on the Properties of Aqueous Silicon Nitride Suspensions", Journal of the European Ceramic Society, Vol. 20, pp. 431-440, 2000.
	X42	Landers et al., "Rapid Prototyping of Scaffolds Derived from Thermoreversible Hydrogels and Tailored for Applications in Tissue Engineering," Biomaterials, pp. 4437-4447, Vol. 23, 2002.
	X43	Lazaris et al., "Spider Silk Fibers Spun from Soluble Recombinant Silk Produced in Mammalian Cells," Science, pp. 472-476, Vol. 295, 2002.
	X44	Lee et al., "Multi-Photon Polymerization of Waveguide Structures Within Three-Dimensional Photonic Crystals," Adv. Mater., pp. 271-274, Vol. 14, 2002.
	X45	Lewis, "Direct-Write Assembly of Ceramics from Colloidal Inks," Curr. Opin. Solid State Mat. Sci., pp. 245-250, Vol. 6, 2002.
	X46	Li, C., et al., "Effect of a comb-like amphiphilic polymer on the stability of alumina dispersions", Colloids and Surfaces, 69, pp. 155-158, 1992.
	X47	Li, Chia-Chen, et al., "Interaction between Dissolved Ba ²⁺ and PAA-NH ₄ Dispersant in Aqueous Barium Titanate Suspensions", Journal of the American Ceramic Society, Vol. 85, No. 6, pp. 1449-55, 2002.
	X48	Lin et al., "A Three-Dimensional Photonic Crystal Operating at Infrared Wavelengths," Nature, pp. 251-253, Vol. 394, 1998.
	X53	Meier-Haack et al., "Pervaporation Separation of Water/Alcohol Mixtures Using Composite Membranes Based on Polyelectrolyte Multilayer Assemblies," J. Membr. Sci., pp. 233-243, Vol. 184, 2001.
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Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
<i>me</i>	X65	Smay et al., "Colloidal Inks for Directed Assembly of 3-D Periodic Structures," Langmuir, pp. 5429-5437, Vol. 18, 2002.
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Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
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